CLAIMS

1. A method for regenerating bone, which comprises culturing mesenchymal cells in the coexistence of epithelial cells.

2. The method for regenerating bone according to claim 1, which comprises culturing the mesenchymal cells on a carrier in the coexistence of epithelial cells.

3. A method for regenerating bone, which comprises transplanting mesenchymal cells into an animal in the coexistence of epithelial cells, and regenerating bone in the transplanted animal.

4. The method for regenerating bone according to claim 3, which comprises transplanting mesenchymal cells into an animal together with a carrier in the coexistence of epithelial cells, and regenerating bone in the body of the transplanted animal.

5. The method for regenerating bone according to any of claims 1 to 4, wherein the epithelial cells to be used are inner enamel epithelial cells, outer enamel epithelial cells, enamel pulp cells, intermediate layer cells, ameloblasts, Malassez's epithelial rest cells, oral mucous membrane epidermic cells, epidermic cells, epidermal cells, or their precursor cells, and the mesenchymal cells to be used are odontoblasts, pulp cells, dental papilla cells, tooth sac cells, cementoblasts, osteoblasts, or their precursor cells, or mesenchymal stem cells.

6. The method for regenerating bone according to any of claims 1 to 5, wherein the bone to be regenerated is jawbone or alveolar bone.

7. A bone regenerated by the method of any of claims 1 to 6.

8. A therapeutic method, which comprises transplanting the bone regenerated by the method of any of claims 1 to 6 into a patient suffering from bone defect or bone injury.

9. A composition for bone regeneration, which comprises: (1) epithelial cells selected from among inner enamel epithelial cells, outer enamel epithelial cells, enamel

pulp cells, intermediate layer cells, ameloblasts, Malassez's epithelial rest cells, oral mucous membrane epidermic cells, epidermic cells, epidermal cells, and their precursor cells;

(2) mesenchymal cells selected from among odontoblasts, pulp cells, dental papilla cells, tooth sac cells, cementoblasts, osteoblasts, or their precursor cells, or mesenchymal stem cells; and

(3) a carrier.